		-	•	27/00	611					~ ر	//010
Serial	. or	Patent	NO.: _	08/409	,044				Docket	No:	44012
Filed	or	Issued:	March	24, 19	95						*********
- · · ·	_				MARKET	ma same	A TAYET BE A	110 717 4 1			

Title of Invention or Patent: A METHOD TO DETECT MUTATIONS IN A NUCLEIC ACID USING

A HYBRIDIZATION - LIGATION PROCEDURE

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS UNDER 37 C.F.R. §1.9(f) AND §1.27(d) - NONPROFIT ORGANIZATION

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

Add:288	of Organization: West 116th Street & Broadway, New York, New York 10027
TYPE OF	ORGANIZATION:
X	UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION  TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE 26 U.S.C. \$\$501(a) and  501(c)(3)  NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITER
	STATES OF AMERICA NAME OF STATE:
	CITATION OF STATUTE:  WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE 26 U.S.C.  §\$501(a) and 501(c)(3) IF LOCATED IN THE UNITED STATES OF AMERICA  WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE  OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA  NAME OF STATE:
	CITATION OF STATUTE:
reduced A METH	it organization as defined in 37 C.F.R. \$1.9(e)* for purposes of payin fees under 35 U.S.C. \$41(a) and 41(b), with regard to the invention entitle OD TO DETECT MUTATIONS IN A NUCLEIC ACID USING A HYBRIDIZATION - LIGATION
A METH PROCEI by inve	it organization as defined in 37 C.F.R. §1.9(e)* for purposes of payin fees under 35 U.S.C. §41(a) and 41(b), with regard to the invention entitle GOD TO DETECT MUTATIONS IN A NUCLEIC ACID USING A HYBRIDIZATION - LIGATION OURE ntor(s) ERIC A. SCHON,
A METH PROCEI by inve	it organization as defined in 37 C.F.R. §1.9(e)* for purposes of paying fees under 35 U.S.C. §41(a) and 41(b), with regard to the invention entitled GOD TO DETECT MUTATIONS IN A NUCLEIC ACID USING A HYBRIDIZATION - LIGATION OURS DURE NOTE: BELLO A. SCHON,
A METH PROCEI by inve describ	it organization as defined in 37 C.F.R. §1.9(e)* for purposes of paying fees under 35 U.S.C. §41(a) and 41(b), with regard to the invention entitled OD TO DETECT MUTATIONS IN A NUCLEIC ACID USING A HYBRIDIZATION - LIGATION OURE ntor(s) ERIC A. SCHON, ed in:  the specification filed herewith application serial no. 08/409,644 filed March 24, 1995 patent no
A METH PROCEID by invedescrib  X I herebwith the If the concern no righ not quant	it organization as defined in 37 C.F.R. §1.9(e)* for purposes of paying fees under 35 U.S.C. §41(a) and 41(b), with regard to the invention entitled to the invention entitled to the invention of the fees under 35 U.S.C. §41(a) and 41(b), with regard to the invention entitled to the invention of the invention are held by any person, other than the inventor, who could to the invention are held by any person, other than the inventor, who could be the invention are held by any person, other than the inventor, who could be the invention are held by any person, other than the inventor, who could be the invention are held by any person, other than the inventor, who could be the invention are held by any person, other than the inventor, who could be the invention are held by any person, other than the inventor, who could be the inventor is a second to the inventor, who could be the inventor of the inventor of the inventor, who could be the inventor of the inventor of the inventor, who could be the inventor of
A METH PROCEID by invested as a Method of the concern no right not quarter and a MOTE: organiz	the specification filed herewith application serial no. 08/409,644 filed March 24, 1995 patent no. 1884 issued 1884 patent no. 1884 patent no patent n

37 C.F.R. §§1.9(d), 1.9(e)

- (d) A small business concern as used in this chapter means any business concern as defined by the Small Business Administration in 13 C.F.R. §121.3-18, published on September 30, 1982 at 47 FR 43273. For the convenience of the users of these regulations, that definition states:
- §121.3-18 Definition of small business for paying reduced patent fees under Title 35, U.S. Code.
- (a) Pursuant to Pub. L. 97-247, a small business concern for purposes of paying reduced fees under 35 U.S. Code 41(a) and (b) to the Patent and Trademark Office means any business concern (1) whose number of employees, including those of its affiliates, does not exceed 500 persons and (2) which has not assigned, granted, conveyed, or licensed, and is under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor if that person had made the invention, or to any concern which would not qualify as a small business concern or a nonprofit organization under this section. For the purpose of this section concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both. The number of employees of the business concern is the average where the fiscal year of the the persons employed during each of the pay periods of the fiscal year. Employees are those persons employed on a full-time, part-time or the person basis during the previous fiscal year of the concern.
- a small business concern within this section, the concern shall have a right to appeal that determination to the Small Business Administration. The Patent and Trademark Office shall transmit its written decision and the pertinent size determination file to the SBA in the event of such adverse determination and size appeal. Such appeals concerns should be submitted to the SBA at 1441 L Street, Hw., Washington, D.C. 20416 (Attention: SBA Office of General Counsel). The appeal should state the basis upon which it is claimed that the Patent and Trademark Office initial size determination on the concern was in error; and the facts and arguments supporting the concern's claimed status as a small business concern under this section.
- (e) A nonprofit organization as used in this chapter means (1) a university or other institution of higher education located in any country; (2) an organization of the type described in section 501(c)(3) of the Internal Revenue Code of 1954 (26 U.S.C. 501(c)(3)) and exempt from taxation under section 501(a) of the Internal Revenue Code (26 U.S.C. 501(a)); (3) any nonprofit scientific or educational organization qualified under a nonprofit organization statute of a state of this country (35 U.S.C. 201(i); or (4) any nonprofit organization located in a foreign country which would qualify as a nonprofit organization under paragraphs (e)(2) or (3) of this section if it were located in this country.

٠,

Applicant: Eric A. Schon

Page 2

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. 37 C.F.R. §1.28(b)\*.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. \$1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

	Mr. Jack M. Granowitz				
Title In Organization: _	Executive Director, Columbia Innovation Enterprise				
Address: Columbia University, Engineering Terrace, Suite 363,					
West 120th Str	eet & Amsterdam Ave, New York, New York 10027				
Signature:	Jack M. Dramant				
Date Of Signature:	Aren 4. 1995 X				
_					

 37 C.F.R. §1.28(b)

(b) Once status as a small entity has been established in an application or patent, fees as a small entity may thereafter be paid in that application or patent without regard to a change in status until the issue fee is due or any maintenance fee is due. Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application or patent prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate pursuant to \$1.9 of this part. The notification of change in status may be signed by the applicant, any person authorized to sign on behalf of the assignee, or an attorney or agent of record or acting in a representative capacity pursuant to \$1.34(a) of this part.

## Beclaration and Power of Attorney

As a below-named inventor. I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A METHOD TO DETECT MUTATIONS IN A NUCLEIC ACID USING A HYBRIDIZATION-LIGATION PROCEDURE

the specification of which (check one)

is attached hereto.	
X was filed on March 24, 1995	as
Application Serial No. 08/409,644	
and was amended on	
(if applicable)	

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information of which I am aware which is material to the examination of this application in accordance with Title 37. Code of Federal Regulations. Section 1.56(a).

I hereby claim foreign priority benefits under Title 35. United States Code. Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application Number	ion(s) <u>Country</u>	Filing Date	Yes Yes	<u>No</u>
			_	

Application Serial No.

Status

I hereby claim the benefit under Title 35. United States Code Section 120 of any United States Application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35. United States Code. Section 112 I acknowledge the ditty to disclose material information as defined in Title 3° Code of Federal Regulations. Sections 1.36(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Filing Date

And I hereby appoi	nı	
Norman H. Zivin, Christopher C. I Robert D. Katz, Richard S. Milne Albert Wai-Kit O	runham, Reg. No. 22,301; T Reg. No. 30,141; Peter J. er, Reg. No. 33,970; Matth	Moran, Reg. No. 16,579; Kavrukov, Reg. No. 25, 161; Thomas G. Carulli, Reg. No. 30,616; Phillips, Reg. No. 29,691; New J. Golden, Reg. No. 35,161; Vis J. Kreisler, Reg. No. 38,522;
York, New York to prosecute this a to transact all bus	10036 my attorneys, each w oplication, to make alterations to iness in the Patent and Trade Applications which are based	n LLP, 1185 Avenue of the Americas, with full power of substitution and revocation and amendments therein, to receive the paten mark Office connected therewith and to fil thereon under the provisions of the Pater
Please address all	communications, and direct all	telephone calls, regarding this application to
\$4 <sup>7</sup> CE <sub>3</sub> SE	John P. White	Reg No. 28,678
	ue of the Americas New York 10036	
statements made	on information and belief are nade with the knowledge that t fine or imprisonment, or bath, that such willful false stat	n of my own knowledge are true and that a t believed to be true: and further that thes willful false statements and the like so mad under Section 1001 of Title 18 of the Unite ements may jeopardize the validity of th
are punishable by	patent issued thereon.	
are punishable by States Code and	or Eric A. Schon	
are punishable by States Code and application or any Full name of sole	Eric A. Schon	
are punishable by States Code and application or any Full name of sole first joint inventor Inventor's signature	e Eric A. Schon	Date of signature 4/24/95
are punishable by States Code and application or any Full name of sole first joint inventor Inventor's signature Citizenship	e Eric A. Schon	

## Assignment

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, I, the undersigned, Eric A. Schon, residing at 750 Kappock Street, Apartment 307, Bronx, New York, 10463

Hereby sell, assign and transfer to Trustees of Columbia University in the
City of New York

Its successors, assigns and legal representatives, the entire right, title and interest

for all countries, in and to any and all inventions which are disclosed and claimed,

and any and all inventions which are disclosed but not claimed, in the application for

United States Patent, which has been executed by the undersigned on April 24, 1995

and is entitled

A METHOD TO DETECT MUTATIONS IN A NUCLEIC ACID USING A HYBRIDIZATION-LIGATION PROCEDURE (U.S. Serial No. 08/409,644, filed March 24, 1995)

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Commissioner of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

Eric A. Schon

U.S. Serial No.: 08/409,644

Filed: March 24, 1995

Page 2

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

**Covenant** with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

[L.S.]

d -	En a Scho
Date: May 5, 1995	1975 Eric A. Schon
Witness: Omary Lewis	
mary Lewis	
338 Parl Place	
Braullyn, n.y 1123	38